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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/744,057	09/04/2002	Tatsuhiko Mizukami	99787-1051	2388

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EXAMINER

NGUYEN, NAM V

ART UNIT	PAPER NUMBER
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2635

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DATE MAILED: 05/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/744,057

Applicant(s)

MIZUKAMI ET AL.

Examiner

Nam V Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09/04/02.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 4 is/are rejected.
- 7) ☒ Claim(s) 3 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 September 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 6.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

The application of Mizukami et al. for an "electronic appliance" filed September 4, 2002 has been examined.

This application claims foreign priority based on the application 11/204106 filed July 17, 1998 and 11/196539 filed July 9, 1999 in Japan. Receipt is acknowledged of papers submitted under 35 U.S.C 119(a) – (d), which papers have been placed of record in the file.

This application claims priority to a 371 of PCT/JP99/03827, which is filed on July 15, 1999.

Claims 1-4 are pending.

Drawings

This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

The drawings are objected to under 37 CFR 1.83(a) because they fail to label all boxes in Figures 1-8 as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d).

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Abstract should be limited to a single paragraph. See MPEP 608.01(b).

The disclosure is objected to because of the following informalities: the claim numbers disclose throughout the specification disclosure, the examiner suggests to remove all claim numbers in the Disclosure section.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tsunoda (US# 6,246,335) and in view of Comas et al. (US# 5,738,583).

Referring to claim 1, Tsunoda discloses an electronic appliance (i.e. a portable information equipment system) (column 3 lines 1 to 6; see Figures 1 and 6) characterized by comprising:

A first electronic appliance main unit (1) (i.e. a paging data receiver) which receives a message from a base station (not shown) (column 3 lines 7 to 14; see Figure 1);

A second electronic appliance main unit (2) (i.e. a portable information equipment) to which said first electronic appliance main unit (1) is detachably attached (i.e. connection by connector 120 and 217);

Said first electronic appliance main unit (1) having first notification means (121 or 610) capable of notifying in a first mode when said message is received (column 3 lines 44 to 46; column 5 lines 5 to 14; see Figures 1 and 6);

Said first electronic appliance main unit (1) having transfer means (119) (i.e. interface section) for transferring the received message to said second electronic appliance main unit (2) (column 3 lines 37 to 38);

Said second electronic appliance main unit having receiving means for receiving said transferred message;

Said second electronic appliance main unit (2) having second notification means (211) (i.e. a display section) capable of notifying in a second mode when said message is received (column 3 lines 52 to 53);

Said second notification means having action notification means (210) (i.e. key input section) capable of notifying the reception of the message through an action (column 3 lines 50 to 51);

However, Tsunoda did not explicitly disclose:

Said first notification means having at least first display means for displaying characters for the received message; Said second notification means having speech notification means capable of notifying the reception of the message through a speech;

Said second electronic appliance main unit having storage means in which a program relating to a game is stored; said second electronic appliance main unit having input means for inputting an instruction relating to a game; said second electronic appliance main unit having reading means for reading from the storage means a program corresponding to an instruction inputted from the input means; and said second electronic appliance main unit having execution means for executing a game according to said read program.

Tsunoda teaches that said first notification means (115) (i.e. a speaker) having speech notification means capable of notifying the reception of the message through a speech (column 3 lines 27 to 30); said second notification means (2) (i.e. a portable information equipment) having at least first display means (211) (i.e. a display section) for displaying characters for the received message (column 3 lines 52 to 53; see Figure 1) in order to response to notification from said notification means.

One of ordinary skilled in the art recognizes having a display section for displaying characters for received message in the paging data receiver and having speech notification means capable of notifying the reception of the message through a speech in the portable information

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equipment would operate the notification means the same. Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention was made to have a display section in the paging data receiver and to have a speech notification means in the portable information equipment would improve a convenient and increase flexibility of notification to a user that has been shown to be desirable in the portable information equipment system of Tsunoda.

In the same field of endeavor of a transmitting and receiving information system, Comas et al. teach that second electronic appliance main unit (12) (i.e. a wireless gaming unit processor) having storage means (23) (i.e. a game ROM) in which a program relating to a game is stored (column 4 lines 17 to 24; see Figure 2); said second electronic appliance main unit (12) having input means (27) (i.e. a user input device) for inputting an instruction relating to a game (column 3 lines 26 to 41; column 3 line 62 to column 4 line 16); said second electronic appliance main unit (12) having reading means for reading from the storage means (23) a program corresponding to an instruction inputted from the input means (27) (column 4 lines 17 to 24); and said second electronic appliance main unit (12) having execution means (21) (i.e. a controller) for executing a game according to said read program (column 3 line 62 to column 4 line 24; see Figure 2) in order to play a game on mobile wireless communication system.

One of ordinary skilled in the art recognizes having a wireless gaming unit processor of a gaming unit in an interactive wireless gaming system of Comas et al. in a portable information equipment system of Tsunoda because Tsunoda suggests it is desired to provide that a portable information equipment connects to a paging data receiver (column 3 lines 39 to 43; column 5 lines 5 to 14) and Comas et al. teach that wireless gaming unit processor connect to a paging

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transceiver (column 3 lines 26 to 41; see Figure 2) in order to participate in a game of an interactive wireless gaming system. Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention was made to have a wireless gaming unit processor of a gaming unit in an interactive wireless gaming system of Comas et al. in a portable information equipment system of Tsunoda with the motivation for doing so would have been to extend the functionality a portable information equipment system with a game in order to increase services.

Claims 2 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsunoda (US# 6,246,335) and in view of Comas et al. (US# 5,738,583) and in further view of Park (US# 5,733,131).

Referring to claims 2 and 4, Tsunoda in view of Comas et al. disclose an electronic appliance, to the extent as claimed with respect to claim 1 above, however, Tsunoda in view of Comas et al. did not explicitly disclose said second electronic appliance main unit being provided with respect to a plurality of grades; and said second electronic appliance main units, provided with respect to said plurality of grades, having different functions with respect to the grades.

In the same field of endeavor of an entertainment paging system, Comas et al. teach that second electronic appliance main unit (12) (i.e. an entertainment device) being provided with respect to a plurality of grades (i.e. educational levels); and said second electronic appliance main units (12), provided with respect to said plurality of grades, having different functions with

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respect to the grades (column 10 lines 25 to 65; see Figure 5) in order to increase capability of a game device.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to recognize the need to provided an entertainment device access to a plurality of level of Park in a portable information interactive wireless gaming system of Tsunoda in view of Comas et al. because having different functions with respect to the levels would improve a capability of a game device that has been shown to be desirable in a portable information interactive wireless gaming system of Tsunoda in view of Comas et al.

Allowable Subject Matter

Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Referring to claim 3, the following is a statement of reasons for the indication of allowable subject matter: the prior art fail to suggest limitations that each of said second electronic appliance main units having additional message storage means for storing an additional message with respect to said message using the standard sentence; said additional message being set according to the grade of each second electronic appliance main unit; and each of said second electronic appliance main units having means for adding the additional message to

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the message using the standard sentence set in advance when the message using the standard sentence is received from the first electronic appliance main unit, and for displaying the standard-sentence message with said additional message, or for outputting a speech.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Mori (US# 4,613,859) discloses a pager receiver selectively changeable between call number reception and message reception.

Stricklin et al. (US# 5,444,869) disclose a method and apparatus in a communication device for automatic transfer of control from an internal processor to an external computer.

Harris et al. (US# 6,118,986) disclose a device for use with a user interface card.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nam V Nguyen whose telephone number is 703-305-3867. The examiner can normally be reached on Mon-Fri, 8:30AM - 5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached on 703-305-4704. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Nam Nguyen
May 14, 2004



MICHAEL HORABIK
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

